

Abstract

The groove profile for a positive hub-shaft connection with an essentially rectangular or trapezoidal groove cross section (3) has on the groove root (5) or the groove head (4) either of the hub (1) or of the shaft (2) at least one rib (6) projecting radially outwards. A linear contact with the groove surface lying radially opposite is thus achieved over the front face (6') of the rib (6) having only a small width (b). The radial distance of this front face (6') with respect to the longitudinal axis of the hub (1) or shaft (2) can also be produced by cold forming with very narrow tolerances, whereby a radial connection between hub (1) and shaft (2) virtually free from play can be achieved.